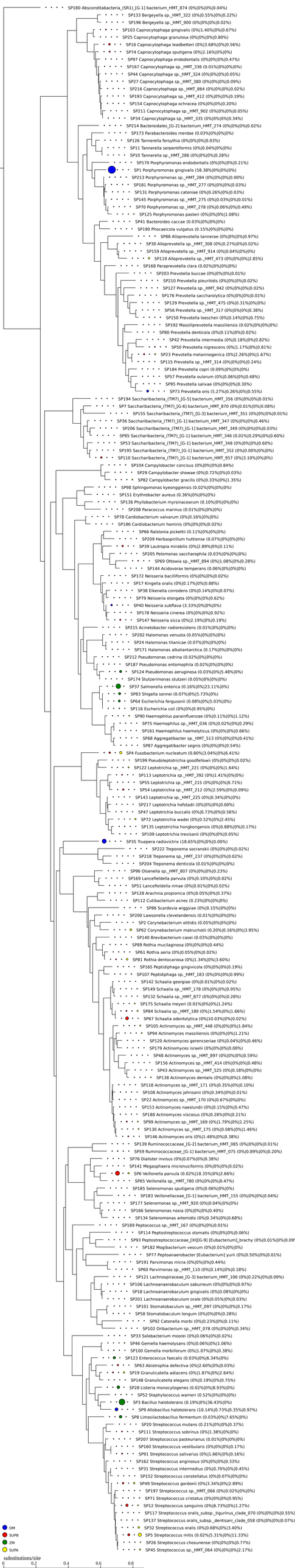
SP180 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_874 (0%|0%|0%|0.04%)
SP133 Bergeyella sp._HMT_322 (0%|0.55%|0%|0.22%)
SP196 Bergeyella sp._HMT_900 (0%|0%|0%|0.02%)
SP103 Capnocytophaga gingivalis (0%|1.40%|0%|0.67%)
SP25 Capnocytophaga granulosa (0%|0%|0%|0.80%)
SP16 Capnocytophaga leadbetteri (0%|3.68%|0%|0.56%)
SP74 Capnocytophaga sputigena (0%|2.16%|0%|0%)
SP97 Capnocytophaga endodontalis (0%|0%|0%|0.47%)
SP167 Capnocytophaga sp._HMT_336 (0.01%|0%|0%|0%)
SP44 Capnocytophaga sp._HMT_324 (0%|0%|0%|0.05%)
SP27 Capnocytophaga sp._HMT_380 (0%|0%|0%|0.09%)
SP216 Capnocytophaga sp._HMT_864 (0%|0%|0%|0.02%)
SP193 Capnocytophaga sp._HMT_412 (0%|0%|0%|0.19%)
SP154 Capnocytophaga ochracea (0%|0%|0%|0.20%)
SP211 Capnocytophaga sp._HMT_902 (0%|0%|0%|0.05%)
SP34 Capnocytophaga sp._HMT_335 (0%|0%|0%|0.34%)
SP214 Bacteroidales_[G-2] bacterium_HMT_274 (0%|0%|0%|0.02%)
SP173 Parabacteroides merdae (0.03%|0%|0%|0%)
SP126 Tannerella forsythia (0%|0%|0%|0.03%)
SP11 Tannerella serpentiformis (0%|0.04%|0%|0%)
SP10 Tannerella sp._HMT_286 (0%|0%|0%|0.28%)
SP170 Porphyromonas endodontalis (0%|0%|0%|0.21%)
SP1 Porphyromonas gingivalis (58.38%|0%|0%|0%)
SP213 Porphyromonas sp._HMT_284 (0%|0%|0%|0.00%)
SP181 Porphyromonas sp._HMT_277 (0%|0%|0%|0.03%)
SP131 Porphyromonas catoniae (0%|0.26%|0%|0.03%)
SP145 Porphyromonas sp._HMT_275 (0%|0.03%|0%|0.01%)
SP70 Porphyromonas sp._HMT_278 (0%|0.06%|0%|0.49%)
SP125 Porphyromonas pasteri (0%|0%|0%|1.08%)
SP41 Bacteroides caccae (0.03%|0%|0%|0%)
SP190 Phocaeicola vulgatus (0.15%|0%|0%|0%)
SP88 Alloprevotella tannerae (0%|0%|0%|0.97%)
SP30 Alloprevotella sp._HMT_308 (0%|0.27%|0%|0.02%)
SP159 Alloprevotella sp._HMT_914 (0%|0.04%|0%|0%)
SP119 Alloprevotella sp._HMT_473 (0%|0%|0%|2.85%)
SP168 Paraprevotella clara (0.02%|0%|0%|0%)
SP203 Prevotella buccae (0%|0%|0%|0.01%)
SP210 Prevotella pleuritidis (0%|0%|0%|0.02%)
SP127 Prevotella sp._HMT_942 (0%|0%|0%|0.02%)
SP176 Prevotella saccharolytica (0%|0%|0%|0.01%)
SP129 Prevotella sp._HMT_475 (0%|0.31%|0%|0%)
SP56 Prevotella sp._HMT_317 (0%|0%|0%|0.38%)
SP150 Prevotella loescheii (0%|0.14%|0%|0.75%)
SP192 Massiliprevotella massiliensis (0.02%|0%|0%|0%)
SP80 Prevotella denticola (0%|0.11%|0%|0.02%)
SP42 Prevotella intermedia (0%|0.18%|0%|0.82%)
SP50 Prevotella nigrescens (0%|1.17%|0%|0.81%)
SP23 Prevotella melaninogenica (0%|2.26%|0%|1.67%)
SP115 Prevotella sp._HMT_314 (0%|0%|0%|0.24%)
SP184 Prevotella copri (0.09%|0%|0%|0%)
SP57 Prevotella oulorum (0%|0.06%|0%|0.48%)
SP95 Prevotella salivae (0%|0%|0%|0.30%)
SP73 Prevotella oris (5.27%|0.26%|0%|0.55%)
SP194 Saccharibacteria_(TM7)_[G-5] bacterium_HMT_356 (0%|0%|0%|0.01%)
SP7 Saccharibacteria_(TM7)_[G-6] bacterium_HMT_870 (0%|0.01%|0%|0.08%)
SP155 Saccharibacteria_(TM7)_[G-3] bacterium_HMT_351 (0%|0%|0%|0.01%)
SP36 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_347 (0%|0%|0%|0.46%)
SP206 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_349 (0%|0%|0%|0.03%)
SP85 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_346 (0.01%|0.29%|0%|0.60%)
SP53 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_348 (0%|0%|0%|0.60%)
SP195 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_352 (0%|0%|0%|0.00%)
SP110 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_957 (0%|3.10%|0%|0%)
SP104 Campylobacter concisus (0%|0%|0%|0.84%)
SP29 Campylobacter showae (0%|0.72%|0%|0.03%)
SP82 Campylobacter gracilis (0%|0.33%|0%|1.35%)
SP98 Sphingomonas kyeongggiensis (0.02%|0%|0%|0%)
SP151 Erythrobacter aureus (0.36%|0%|0%|0%)
SP136 Phyllobacterium myrsinacearum (0.10%|0%|0%|0%)
SP208 Paracoccus marinus (0.01%|0%|0%|0%)
SP78 Cardiobacterium valvarum (0%|0.16%|0%|0%)
SP186 Cardiobacterium hominis (0%|0%|0%|0.02%)
SP66 Ralstonia pickettii (0.11%|0%|0%|0%)
SP209 Herbaspirillum huttiense (0.07%|0%|0%|0%)
SP39 Lautropia mirabilis (0%|2.89%|0%|0.11%)
SP205 Pelomonas saccharophila (0.03%|0%|0%|0%)
SP69 Ottowia sp._HMT_894 (0%|1.08%|0%|0.28%)
SP144 Acidovorax temperans (0.06%|0%|0%|0%)
SP172 Neisseria bacilliformis (0%|0%|0%|0.02%)
SP17 Kingella oralis (0%|0.17%|0%|0.88%)
SP38 Eikenella corrodens (0%|0.14%|0%|0.07%)
SP79 Neisseria elongata (0%|0%|0%|0.62%)
SP40 Neisseria subflava (3.33%|0%|0%|0%)
SP178 Neisseria cinerea (0%|0%|0%|0.92%)
SP147 Neisseria sicca (0%|2.19%|0%|0.19%)
SP215 Acinetobacter radioresistens (0.01%|0%|0%|0%)
SP202 Halomonas venusta (0.05%|0%|0%|0%)
SP24 Halomonas titanicae (0.07%|0%|0%|0%)
SP171 Halomonas alkalantarctica (0.17%|0%|0%|0%)
SP212 Pseudomonas cedrina (0.02%|0%|0%|0%)
SP187 Pseudomonas entomophila (0.02%|0%|0%|0%)
SP124 Pseudomonas aeruginosa (0.03%|0%|5.48%|0%)
SP174 Stutzerimonas stutzeri (0.05%|0%|0%|0%)
SP37 Salmonella enterica (0.16%|0%|23.11%|0%)
SP83 Shigella sonnei (0.07%|0%|5.73%|0%)
SP64 Escherichia fergusonii (0.08%|0%|5.03%|0%)
SP116 Escherichia coli (0%|0%|0.95%|0%)
SP90 Haemophilus parainfluenzae (0%|0.11%|0%|1.12%)
SP75 Haemophilus sp._HMT_036 (0%|0.22%|0%|0.29%)
SP161 Haemophilus haemolyticus (0%|0%|0%|0.66%)
SP68 Aggregatibacter sp._HMT_513 (0%|0%|0%|0.41%)
SP87 Aggregatibacter segnis (0%|0%|0%|0.54%)
SP4 Fusobacterium nucleatum (0.80%|3.04%|0%|6.41%)
SP199 Pseudoleptotrichia goodfellowii (0%|0%|0%|0.02%)
SP122 Leptotrichia sp._HMT_221 (0%|0%|0%|1.64%)
SP113 Leptotrichia sp._HMT_392 (0%|1.41%|0%|0%)
SP55 Leptotrichia sp._HMT_215 (0%|0%|0%|0.71%)
SP54 Leptotrichia sp._HMT_212 (0%|2.59%|0%|0.09%)
SP143 Leptotrichia sp._HMT_225 (0%|0.34%|0%|0%)
SP217 Leptotrichia hofstadii (0%|0%|0%|0.00%)
SP47 Leptotrichia buccalis (0%|0.73%|0%|0.56%)
SP72 Leptotrichia wadei (0%|0.52%|0%|2.45%)
SP135 Leptotrichia hongkongensis (0%|0.88%|0%|0.17%)
SP109 Leptotrichia trevisanii (0%|0%|0%|0.05%)
SP35 Truepera radiovictrix (18.65%|0%|0%|0.00%)
SP222 Treponema socranskii (0%|0%|0%|0.02%)
SP218 Treponema sp._HMT_237 (0%|0%|0%|0.02%)
SP204 Treponema denticola (0.01%|0%|0%|0%)
SP96 Olsenella sp._HMT_807 (0%|0%|0%|0.23%)
SP169 Lancefieldella parvula (0%|0.10%|0%|0.02%)
SP51 Lancefieldella rimae (0%|0.11%|0%|0.02%)
SP128 Arachnia propionica (0%|0.05%|0%|0.37%)
SP112 Cutibacterium acnes (0.23%|0%|0%|0%)
SP86 Scardovia wiggsiae (0%|0.15%|0%|0%)
SP200 Lawsonella clevelandensis (0.01%|0%|0%|0%)
SP2 Corynebacterium otitidis (0.05%|0%|0%|0%)
SP62 Corynebacterium matruchotii (0.20%|0.16%|0%|3.95%)
SP140 Brevibacterium casei (0.03%|0%|0%|0%)
SP89 Rothia mucilaginosa (0%|0%|0%|0.44%)
SP61 Rothia aeria (0%|0.05%|0%|0.02%)
SP81 Rothia dentocariosa (0%|1.34%|0%|3.60%)
SP165 Peptidiphaga gingivicola (0%|0%|0%|0.19%)
SP107 Peptidiphaga sp._HMT_183 (0%|0%|0%|0.99%)
SP142 Schaalia georgiae (0%|0.01%|0%|0.02%)
SP149 Schaalia sp._HMT_178 (0%|0%|0%|0.95%)
SP132 Schaalia sp._HMT_877 (0%|0%|0%|0.28%)
SP175 Schaalia meyeri (0.01%|0%|0%|1.24%)
SP84 Schaalia sp._HMT_180 (0%|1.54%|0%|1.66%)
SP67 Schaalia odontolytica (0%|0.03%|0%|0.02%)
SP105 Actinomyces sp._HMT_448 (0%|0%|0%|1.84%)
SP94 Actinomyces massiliensis (0%|0%|0%|1.21%)
SP120 Actinomyces gerencseriae (0%|0.04%|0%|0.46%)
SP179 Actinomyces israelii (0%|0%|0%|0.00%)
SP48 Actinomyces sp._HMT_897 (0%|0%|0%|0.59%)
SP156 Actinomyces sp._HMT_414 (0%|0%|0%|0.48%)
SP43 Actinomyces sp._HMT_525 (0%|0.18%|0%|0%)
SP138 Actinomyces dentalis (0%|0%|0%|1.08%)
SP118 Actinomyces sp._HMT_171 (0%|0.35%|0%|0.10%)
SP108 Actinomyces johnsonii (0%|0.34%|0%|0.01%)
SP22 Actinomyces sp._HMT_170 (0%|0.67%|0%|0%)
SP153 Actinomyces naeslundii (0%|0.15%|0%|0.47%)
SP188 Actinomyces viscosus (0%|0.28%|0%|0.21%)
SP99 Actinomyces sp._HMT_169 (0%|1.79%|0%|1.25%)
SP130 Actinomyces sp._HMT_175 (0%|0.08%|0%|1.46%)
SP146 Actinomyces oris (0%|1.48%|0%|0.38%)
SP139 Ruminococcaceae_[G-2] bacterium_HMT_085 (0%|0%|0%|0.01%)
SP59 Ruminococcaceae_[G-1] bacterium_HMT_075 (0%|0.89%|0%|0.20%)
SP76 Dialister invisus (0%|0.07%|0%|0.38%)
SP141 Megasphaera micronuciformis (0%|0%|0%|0.02%)
SP6 Veillonella parvula (0.02%|18.35%|0%|2.66%)
SP65 Veillonella sp._HMT_780 (0%|0%|0%|0.47%)
SP185 Selenomonas sputigena (0%|0.06%|0%|0%)
SP183 Veillonellaceae_[G-1] bacterium_HMT_155 (0%|0%|0%|0.04%)
SP177 Selenomonas sp._HMT_920 (0%|0.04%|0%|0%)
SP166 Selenomonas noxia (0%|0%|0%|0.40%)
SP134 Selenomonas artemidis (0%|0.34%|0%|0.68%)
SP189 Peptococcus sp._HMT_167 (0%|0%|0%|0.01%)
SP114 Peptostreptococcus stomatis (0%|0%|0%|0.06%)
SP93 Peptostreptococcaceae_[XI][G-9] [Eubacterium]_brachy (0%|0.01%|0%|0.09
SP182 Mogibacterium vescum (0%|0.01%|0%|0%)
SP77 Peptoanaerobacter [Eubacterium] yurii (0%|0.50%|0%|0.01%)
SP191 Parvimonas micra (0%|0%|0%|0.44%)
SP60 Parvimonas sp._HMT_110 (0%|0.14%|0%|0.18%)
SP121 Lachnospiraceae_[G-3] bacterium_HMT_100 (0%|0.22%|0%|0.09%)
SP106 Lachnoanaerobaculum saburreum (0%|0%|0%|0.97%)
SP18 Lachnoanaerobaculum gingivalis (0%|0.08%|0%|0%)
SP201 Lachnoanaerobaculum orale (0%|0.05%|0%|0.03%)
SP101 Stomatobaculum sp._HMT_097 (0%|0%|0%|0.17%)
SP58 Stomatobaculum longum (0%|0%|0%|0.28%)
SP92 Catonella morbi (0%|0.23%|0%|0.11%)
SP102 Oribacterium sp._HMT_078 (0%|0%|0%|0.34%)
SP33 Solobacterium moorei (0%|0.06%|0%|0.02%)
SP46 Gemella haemolysans (0%|0.06%|0%|1.06%)
SP100 Gemella morbillorum (0%|1.07%|0%|0.38%)
SP123 Enterococcus faecalis (0.03%|0%|6.34%|0%)
SP63 Abiotrophia defectiva (0%|2.60%|0%|0.03%)
SP19 Granulicatella adiacens (0%|1.87%|0%|2.64%)
SP148 Granulicatella elegans (0%|0.19%|0%|0.75%)
SP28 Listeria monocytogenes (0.02%|0%|8.93%|0%)
SP52 Staphylococcus warneri (0.52%|0%|0%|0%)
SP3 Bacillus halotolerans (0.19%|0%|36.43%|0%)
SP9 Allobacillus halotolerans (10.14%|0.73%|0.35%|0.97%)
SP8 Limosilactobacillus fermentum (0.03%|0%|7.65%|0%)
SP20 Streptococcus mutans (0.21%|0%|0%|0.37%)
SP111 Streptococcus sobrinus (0%|1.38%|0%|0%)
SP207 Streptococcus pasteurianus (0.01%|0%|0%|0%)
SP160 Streptococcus vestibularis (0%|0%|0%|0.17%)
SP91 Streptococcus salivarius (0%|1.66%|0%|0.16%)
SP162 Streptococcus anginosus (0%|0%|0%|0.33%)
SP31 Streptococcus intermedius (0%|0.70%|0%|0.45%)
SP152 Streptococcus constellatus (0%|0.07%|0%|0%)
SP49 Streptococcus gordonii (0%|3.34%|0%|2.89%)
SP197 Streptococcus sp._HMT_066 (0%|0.02%|0%|0%)
SP71 Streptococcus cristatus (0%|0%|0%|0.95%)
SP12 Streptococcus sanguinis (0%|6.73%|0%|1.27%)
SP117 Streptococcus oralis_subsp._tigurinus_clade_070 (0%|0%|0%|0.55%)
SP137 Streptococcus oralis_subsp._dentisani_clade_058 (0%|0%|0%|0.07%)
SP32 Streptococcus oralis (0%|0.68%|0%|3.40%)
SP5 Streptococcus mitis (0.02%|5.31%|0%|11.33%)
SP26 Streptococcus chosunense (0%|0%|0%|0.77%)
SP45 Streptococcus sp._HMT_064 (0%|0%|0%|2.17%)
OM
SUPB
ZM
SUPA
substitutions/site
0.2
0.4
0.6
0.8